

<b>Examiner-Initiated Interview Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>		
	10/626,795		KAUFMANN ET AL.		
	<b>Examiner</b>		<b>Art Unit</b>		
	Sherali Ishrat		2624		

**All Participants:**

(1) Sherali Ishrat.

(2) J.C. Shah.

**Date of Interview:** 4 December 2006

**Type of Interview:**

☒ Telephonic

☐ Video Conference

☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☒ No

If Yes, provide a brief description:

**Status of Application:** \_\_\_\_\_

(3) \_\_\_\_\_

(4) \_\_\_\_\_

**Time:** 1:00 P.M

**Part I.**

Rejection(s) discussed:  
NA

Claims discussed:  
1-23

Prior art documents discussed:  
Prior art of record.

**Part II.**

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:  
See Continuation Sheet

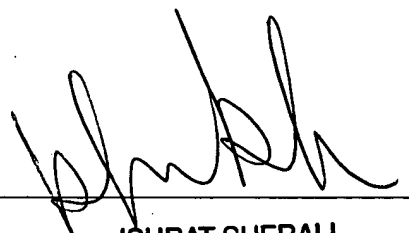
  

**Part III.**

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.

☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

  
**ISHRAT SHERALI**  
**PRIMARY PATENT EXAMINER**  
 (Examiner/SPE Signature)

12/5/06  
 \_\_\_\_\_  
 (Applicant/Applicant's Representative Signature – if appropriate)

Continuation of Substance of Interview including description of the general nature of what was discussed: Examiner informed Applicant's Attorney that based on the oral election of Species I corresponding claims 1-15 and 19-23, Examiner has searched prior art to establish patentability of claims 1-15 and 19-23 and Examiner has determined that claims 1-15 and 19-23 are allowable over prior art of record. Independent claims 1, 19 and 20 are allowable because prior art of record does not teach or suggest "constructing initial triangle and adjacent triangles, triangle having vertex, wherein vertex is constructed from a weighted average of a set of points" and independent claim 8 is allowable prior art of record because prior art does not disclose or suggest "constructing initial triangle and adjacent triangles having vertices comprising either the points forming initial triangle or points constructed from weighted averaged of a set of points in the scan data and each vertex is evaluated against one or more predetermined selection criteria to minimize surface deviation between an adjacent triangle and the point cloud". Furthermore Examiner informed Applicant's Attorney in order to place the application in condition for allowance Applicant need to needs to cancel non-elected claims 16-18 and also amend claims 19 and 20 to include stored in computer readable medium along with machine readable instruction. In order to expedite the prosecution of the application Applicant's Attorney agreed to make necessary amendment to claims by an examiner's amendment.